

CLAIM LISTING

1. (original) A method comprising the steps of:
receiving a first frame;
determining a first frame rate of the first frame;
determining if the first frame rate was in error to produce an error determination;
and
updating a state of a speech decoder filter based on the error determination.
2. (original) The method of claim 1 wherein the step of determining if the first frame rate was in error comprises the steps of:
receiving a second frame;
determining a second frame rate of the second frame;
comparing the second frame rate to the first frame rate to produce a comparison;
and
determining if the first frame rate was in error based on the comparison.
3. (original) The method of claim 2 wherein the step of determining if the first frame rate was in error based on the comparison comprises the step of determining if a transition from the first frame rate to the second frame rate was invalid.
4. (original) The method of claim 2 wherein the step of determining the first frame rate comprises the step of determining a full rate frame and the step of determining the second frame rate comprises the step of determining an 8th rate frame.
5. (original) The method of claim 1 wherein the step of determining the first frame rate comprises the step of determining the first frame rate from a group consisting of full, half, quarter, and eighth frame rates.
6. (currently amended) The method of claim 1 wherein the step of updating the state of the speech decoder filter comprises the step of resetting ~~zeroing-out~~ the state of the speech decoder filter.

7. (original) The method of claim 1 wherein the step of updating the state of the speech decoder filter comprises the step of updating the state of a filter from a group consisting of a pitch filter, a vocal tract filter, and a post filter.

8. (original) The method of claim 1 wherein the step of determining if the first frame rate was in error comprises the step of determining if the first frame was a signalling frame.

9. (original) A method comprising the steps of:
receiving a first frame;
determining a first frame rate for the first frame;
receiving a second frame;
determining a second frame rate for the second frame;
determining, based on the second frame rate, if the first frame rate was in error to produce an error determination; and
updating a state of a speech decoder filter based on the error determination.

10. (original) The method of claim 9 wherein the step of determining, based on the second frame rate, if the first frame rate was in error comprises the step of determining if a transition from the first frame rate to the second frame rate was invalid.

11. (original) The method of claim 9 wherein the step of determining the first frame rate comprises the step of determining a full rate frame and the step of determining the second frame rate comprises the step of determining an 8th rate frame.

12. (original) The method of claim 9 wherein the step of determining the first frame rate and the second frame rate comprises the step of determining frame rates from a group consisting of full, half, quarter, and eighth frame rates.

13. (currently amended) The method of claim 9 wherein the step of updating the state of the speech decoder filter comprises the step of resetting ~~zeroing-out~~ the state of the speech decoder filter.

14. (original) The method of claim 9 wherein the step of updating the state of the speech decoder filter comprises the step of updating the state of a filter from a group consisting of a pitch filter, a vocal tract filter, and a post filter.

15. (original) Apparatus comprising:
means for determining a validity of a frame rate;
a speech decoder, coupled to the means for determining, modifying a state of a filter based on the validity of the frame rate.
16. (original) The apparatus of claim 15, wherein the means for determining the validity of the frame rate of the frame of information comprises means for comparing the frame rate with frame rates of previous frames of information.
17. (original) The apparatus of claim 15 wherein the filter comprises a filter from a group consisting of a pitch filter, a vocal tract filter, and a post filter.
- 18-20. (canceled)
21. (new) The method of claim 4 wherein the step of updating the state of the speech decoder filter comprises the step of resetting at least one memory from the group consisting of an adaptive codebook excitation memory, a postfilter synthesis memory, and a vocal tract filter memory.
22. (new) The method of claim 8, wherein the step of determining if the first frame rate was in error comprises the step of determining that the first frame rate was not in error, if the first frame was determined to be a signaling frame.